**Supplementary file of**

**Proteomic comparative analysis of pregnancy serum facilitating hepatitis E virus replication in hepatoma cells**

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**Supplement 1.** Serum relative significant differences in the expression of the five HEV infection-modulated proteins through Western blot assay.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **HEV Infection** | **FBS vs Healthy non-pregnant women** | **FBS vs Third trimester pregnancy** | **Healthy non-pregnant women vs Third trimester pregnancy** |
| **FLNA** | NC | ns | ns | ns |
|  | 4h | \*\*\* | \*\*\* | \*\*\* |
|  | 12h | \*\*\* | \*\*\* | \*\*\* |
|  | 24h | ns | \*\*\* | \*\*\* |
|  | 48h | ns | \*\*\* | \*\*\* |
|  |  |  |  |  |
| **TXN** | NC | ns | ns | ns |
|  | 4h | \*\*\* | \*\*\* | ns |
|  | 12h | \*\*\* | \*\*\* | ns |
|  | 24h | \*\*\* | \*\*\* | \*\* |
|  | 48h | \*\*\* | \*\*\* | \*\*\* |
|  |  |  |  |  |
| **CYTC** | NC | ns | ns | ns |
|  | 4h | \*\*\* | \*\*\* | \*\*\* |
|  | 12h | \*\*\* | \*\*\* | \*\*\* |
|  | 24h | \*\*\* | \*\*\* | \*\*\* |
|  | 48h | \*\*\* | \*\*\* | \*\* |
|  |  |  |  |  |
| **HSP70** | NC | ns | ns | ns |
|  | 4h | \*\*\* | \*\*\* | ns |
|  | 12h | \*\*\* | \*\*\* | \* |
|  | 24h | \*\*\* | \*\*\* | \*\*\* |
|  | 48h | \*\*\* | \*\*\* | \*\*\* |
|  |  |  |  |  |
| **HSP90** | NC | ns | ns | ns |
|  | 4h | ns | \*\*\* | \*\*\* |
|  | 12h | \*\*\* | \*\*\* | \*\*\* |
|  | 24h | \*\*\* | \*\*\* | \*\*\* |
|  | 48h | \*\*\* | \*\*\* | \*\*\* |
|  |  |  |  |  |
| **pHSP90** | NC | ns | ns | ns |
|  | 4h | ns | \*\*\* | \*\*\* |
|  | 12h | \*\* | \*\*\* | \*\*\* |
|  | 24h | \*\* | ns | ns |
|  | 48h | \*\*\* | \*\*\* | \*\*\* |

**Supplement 2.** Time relative significant differences in the expression of the five HEV infection-modulated proteins through Western blot assay.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **HEV Infection** | **NC vs 4h** | **NC vs 12h** | **NC vs 24h** | **NC vs 48h** | **4h vs 12h** | **4h vs 24h** | **4h vs 48h** | **12h vs 24h** | **12h vs 48h** | **24h vs 48h** |
| **FLNA** | FBS | ns | \*\*\* | ns | \*\*\* | \*\*\* | ns | \*\*\* | \*\*\* | ns | \*\*\* |
|  | Healthy non-pregnant women | \*\*\* | \*\*\* | \* | \*\*\* | ns | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
|  | Third trimester pregnancy | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **TXN** | FBS | \*\*\* | ns | \* | ns | \*\* | \*\*\* | \*\*\* | \*\* | ns | \* |
|  | Healthy non-pregnant women | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
|  | Third trimester pregnancy | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | \*\* | \*\*\* | ns | \*\*\* | \*\*\* |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **CYTC** | FBS | ns | ns | \*\*\* | ns | ns | \*\*\* | ns | \*\*\* | ns | \*\*\* |
|  | Healthy non-pregnant women | \*\*\* | \*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | \*\*\* | \*\*\* | \*\*\* |
|  | Third trimester pregnancy | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | \* | \*\*\* | \*\*\* |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **HSP70** | FBS | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
|  | Healthy non-pregnant women | \*\*\* | ns | \*\*\* | \*\*\* | \*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \* |
|  | Third trimester pregnancy | \*\*\* | ns | ns | ns | \* | \*\*\* | \*\* | \*\*\* | ns | \*\* |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **HSP90** | FBS | \*\*\* | \*\* | \*\*\* | \*\*\* | ns | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
|  | Healthy non-pregnant women | \*\*\* | \*\*\* | ns | \*\*\* | \* | \*\*\* | \*\*\* | \*\*\* | ns | \*\*\* |
|  | Third trimester pregnancy | ns | ns | \*\* | ns | \* | \*\*\* | ns | ns | ns | \*\* |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **pHSP90** | FBS | ns | ns | \*\*\* | \*\*\* | ns | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
|  | Healthy non-pregnant women | \* | ns | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | \*\* | \*\*\* | \*\*\* |
|  | Third trimester pregnancy | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | ns | ns | \*\*\* | \*\*\* | ns |